

WHAT IS CLAIMED IS:

1. A pharmaceutical composition comprising an immunogenic A β fragment linked to a carrier molecule to form a conjugate, wherein the carrier molecule promotes an immune response comprising antibodies to the A β fragment.
2. The composition of claim 1, wherein the A β fragment is from the N-terminal half of A β .
3. The composition of claim 2, wherein the A β fragment is A β 1-5.
4. The composition of claim 3, wherein A β 1-5 consists of the first five N-terminal amino acids of SEQ ID NO:1.
5. The composition of claim 2, wherein the A β fragment is A β 1-6.
6. The composition of claim 5, wherein A β 1-6 consists of the first six N-terminal amino acids of SEQ ID NO:1.
7. The composition of claim 2, wherein the A β fragment is A β 1-12.
8. The composition of claim 7, wherein A β 1-12 consists of the first 12 N-terminal amino acids of SEQ ID NO:1.
9. The composition of claim 1, wherein the carrier molecule is a diphtheria toxoid.
10. The composition of claim 9, wherein the diphtheria toxoid is CRM 197.
11. The composition of claim 2, wherein the carrier molecule is a diphtheria toxoid.
12. The composition of claim 11, wherein the diphtheria toxoid is CRM 197.
13. The composition of claim 12, wherein the A β fragment is A β 1-5.

14. The composition of claim 13, wherein A β 1-5 consists of the first five N-terminal amino acids of SEQ ID NO:1.
15. The composition of claim 12, wherein the A β fragment is A β 1-6.
16. The composition of claim 15, wherein A β 1-6 consists of the first six N-terminal amino acids of SEQ ID NO:1.
17. The composition of claim 12, wherein the A β fragment is A β 1-12.
18. The composition of claim 17, wherein A β 1-12 consists of the first 12 N-terminal amino acids of SEQ ID NO:1.
19. The composition of claim 1, which comprises greater than 10 μ g of the A β fragment.
20. The composition of claim 1, which comprises at least 20 μ g of the A β fragment.
21. The composition of claim 1, which comprises at least 50 μ g of the A β fragment.
22. The composition of claim 1, which comprises at least 100 μ g of the A β fragment.
23. The composition of claim 10, which comprises greater than 10 μ g of the A β fragment.
24. The composition of claim 10, which comprises at least 20 μ g of the A β fragment.
25. The composition of claim 10, which comprises at least 50 μ g of the A β fragment.
26. The composition of claim 10, which comprises at least 100 μ g of the A β fragment.

27. The composition of any one of claims 2, 3, 5, or 7, which comprises greater than 10 µg of the Aβ fragment.

28. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 20 µg of the Aβ fragment.

29. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 50 µg of the Aβ fragment.

30. The composition of any one of claims 2, 3, 5, or 7, which comprises at least 100 µg of the Aβ fragment.